

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110617\
 Data File : BG030793.D
 Acq On : 7 Nov 2017 2:27
 Operator : SJ/JU
 Sample : I6188-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0EL4

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:38:03 PM

Quant Time: Nov 07 07:52:22 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 06:56:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	103575	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	453090	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	285578	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.52	188	642574	20.00	ng/ul	0.00
75) Chrysene-d12	21.83	240	651595	20.00	ng/ul	0.05
83) Perylene-d12	25.18	264	765358m	20.00	ng/ul	0.09

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	15225	5.98	ng/uL	0.00
5) Phenol-d5	7.32	99	338934	34.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	194858	31.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	280519	40.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	268899	33.49	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	137549	42.29	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	164686	49.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	291461	38.38	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	260860	29.57	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	877174	35.93	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	1101376	37.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	135485	30.06	ng/ul	0.00
57) Fluorene-d10	15.76	176	803966	40.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	53474	17.05	ng/ul	0.00
70) Anthracene-d10	17.61	188	1175625	38.68	ng/ul	0.00
76) Pyrene-d10	19.91	212	1290847	38.27	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.97	264	1400814m	38.64	ng/ul	0.10

Target Compounds

					Qvalue	
6) Phenol	7.34	94	40586	3.946	ng/ul	92
44) Dimethylphthalate	14.21	163	57983	2.435	ng/ul	98
47) Acenaphthylene	14.50	152	140729	4.646	ng/ul	97
49) Acenaphthene	14.84	153	110627	5.339	ng/ul	97
53) Dibenzofuran	15.16	168	86191	3.042	ng/ul	93
58) Fluorene	15.82	166	98226	4.346	ng/ul	98
69) Phenanthrene	17.57	178	4089711m	117.734	ng/ul	
71) Anthracene	17.65	178	1045140	29.161	ng/ul	97
72) Carbazole	17.91	167	235020	7.295	ng/ul	97
74) Fluoranthene	19.60	202	10008580m	257.808	ng/ul	
77) Pyrene	19.97	202	9729693	222.799	ng/ul#	41
80) Benzo(a)anthracene	21.82	228	9764738	239.125	ng/ul#	44
82) Chrysene	21.89	228	8699504	234.467	ng/ul#	37
85) Benzo(b)fluoranthene	24.17	252	16381163m	356.524	ng/ul	
86) Benzo(k)fluoranthene	24.23	252	4474427m	100.721	ng/ul	
88) Benzo(a)pyrene	25.09	252	11362688m	254.058	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.16	276	12354163m	244.151	ng/ul	
90) Dibenzo(a,h)anthracene	29.17	278	4223487m	100.475	ng/ul	
91) Benzo(g,h,i)perylene	30.38	276	10968801m	261.513	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

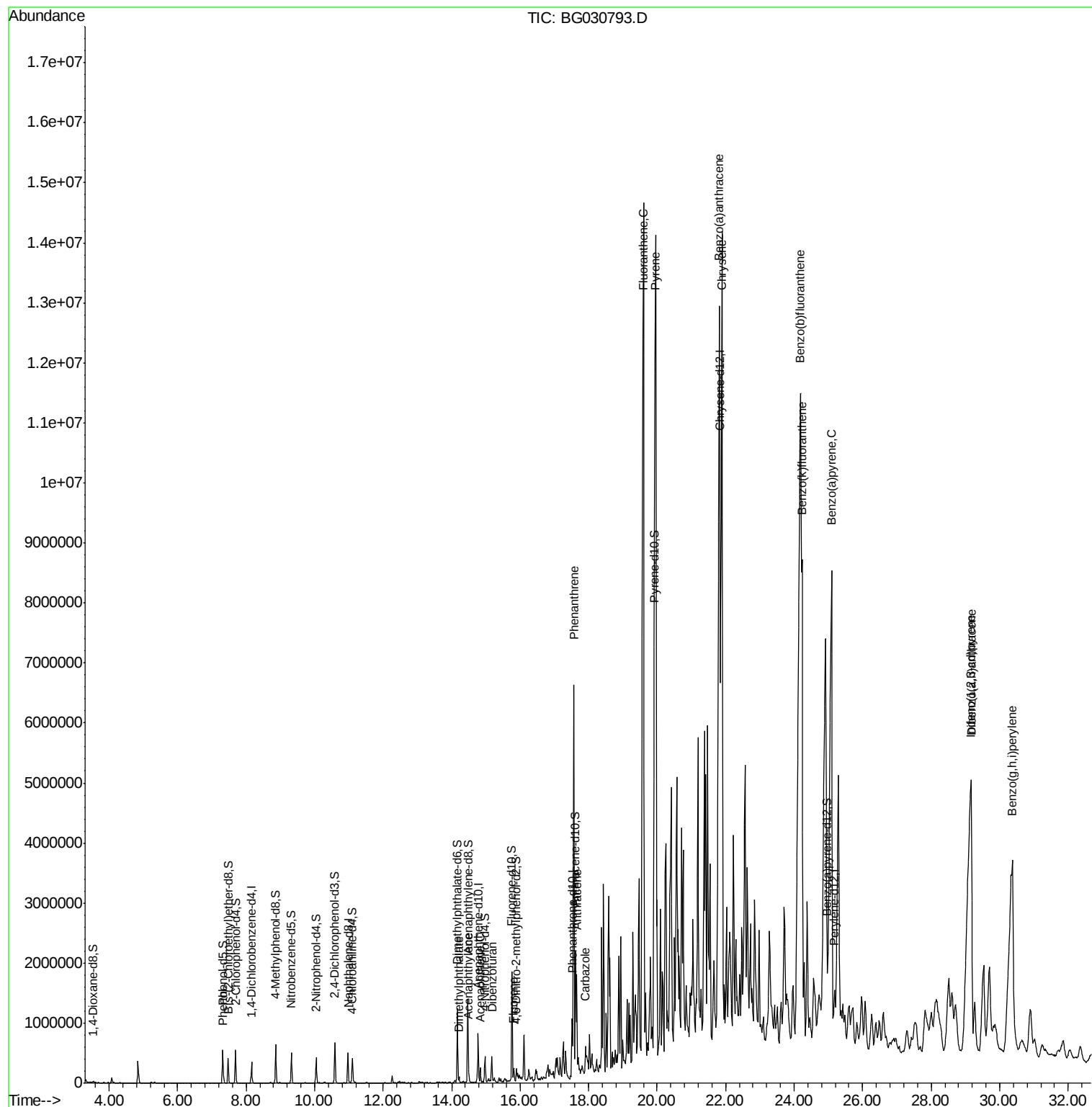
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110617\
Data File : BG030793.D
Acq On : 7 Nov 2017 2:27
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ALS Vial : 28 Sample Multiplier: 1

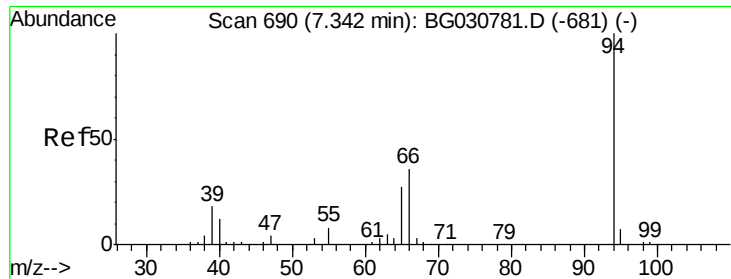
Instrument :
BNA_G
ClientSampled :
B0EL4

Manual Integrations
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11/7/2017 5:38:03 PM

Quant Time: Nov 07 07:52:22 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 07 06:56:14 2017
Response via : Initial Calibration





#6

Phenol

Concen: 3.946 ng/ul

RT: 7.34 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

Instrument :

BNA_G

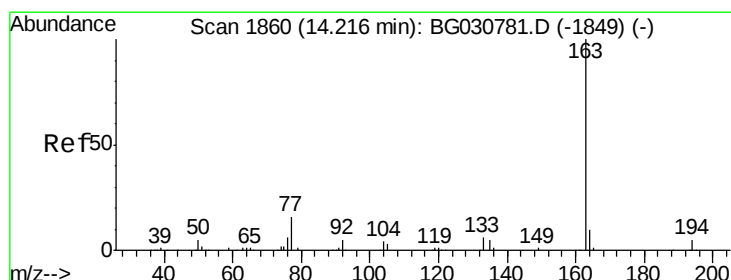
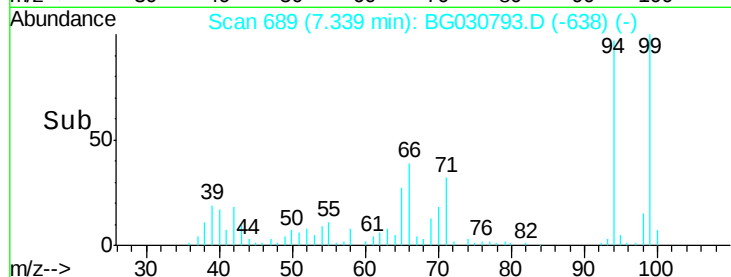
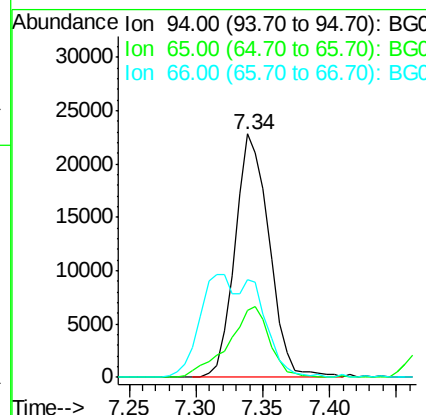
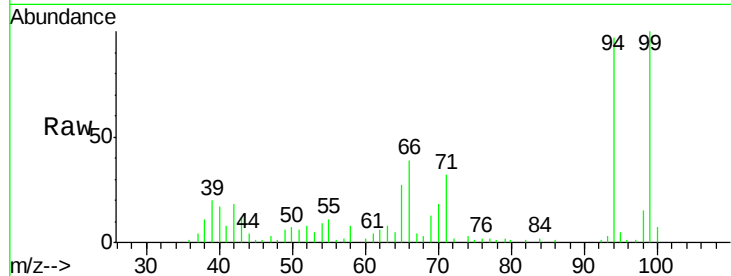
ClientSampled :

B0EL4

Tgt Ion:	94	Resp:	40586
Ion Ratio	Lower	Upper	
94	100		
65	27.5	27.1	40.7
66	40.1	34.6	52.0

Manual Integrations
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#44

Dimethylphthalate

Concen: 2.435 ng/ul

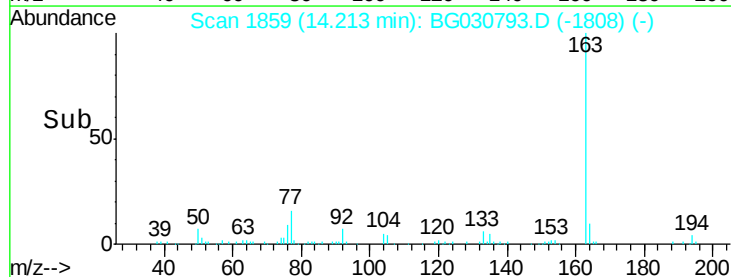
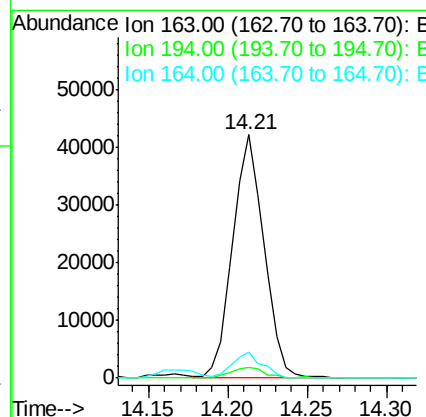
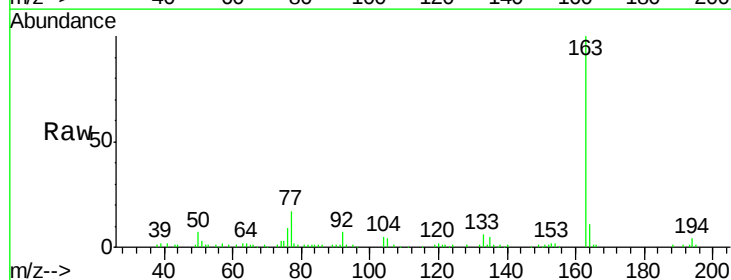
RT: 14.21 min Scan# 1859

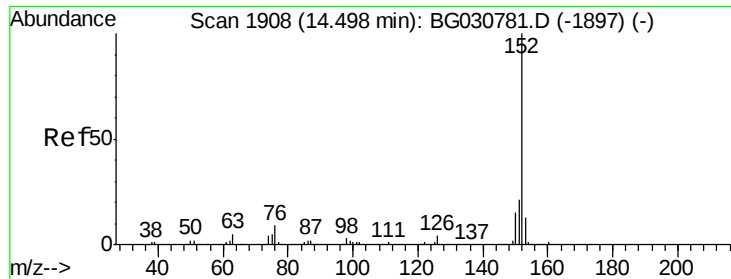
Delta R.T. -0.00 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

Tgt Ion:	163	Resp:	57983
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.5	5.3
164	10.6	7.6	11.4





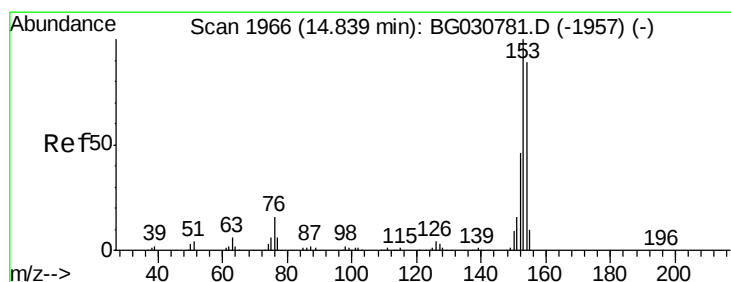
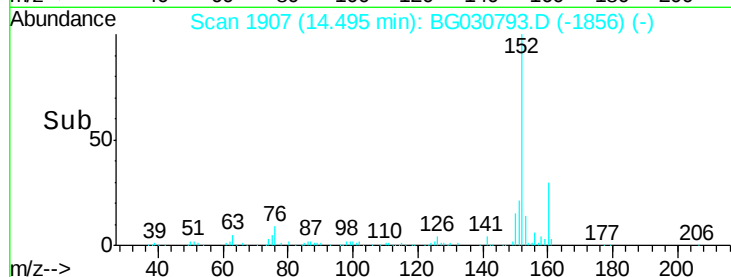
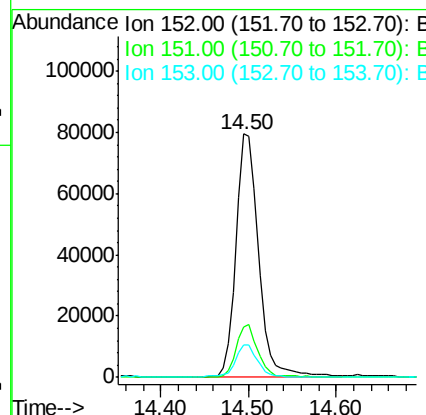
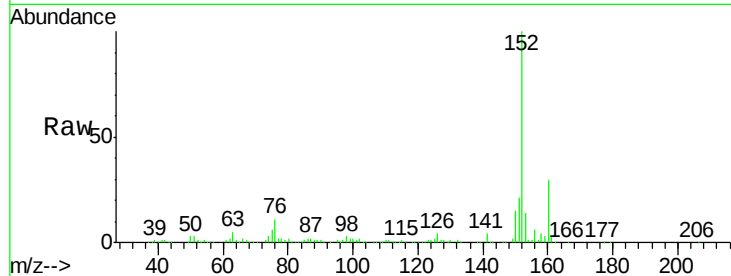
#47
Acenaphthylene
Concen: 4.646 ng/ul
RT: 14.50 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BG030793.D
Acq: 7 Nov 2017 2:27

Instrument :
BNA_G
ClientSampled :
B0EL4

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	140729		
151	20.8		15.2	22.8
153	13.6		10.2	15.4

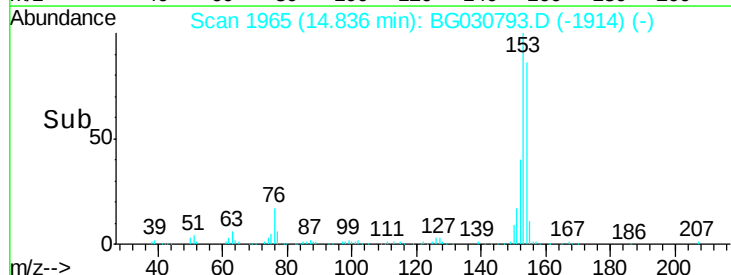
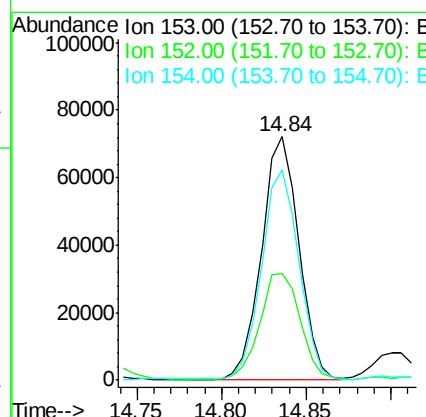
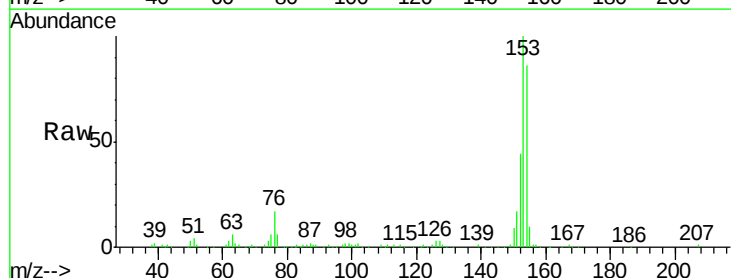
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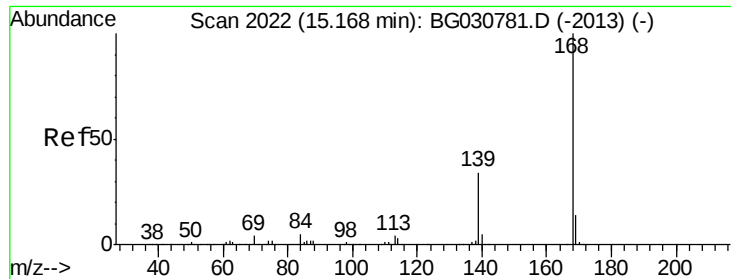
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#49
Acenaphthene
Concen: 5.339 ng/ul
RT: 14.84 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG030793.D
Acq: 7 Nov 2017 2:27

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	110627		
152	44.0		38.2	57.2
154	86.2		70.6	105.8





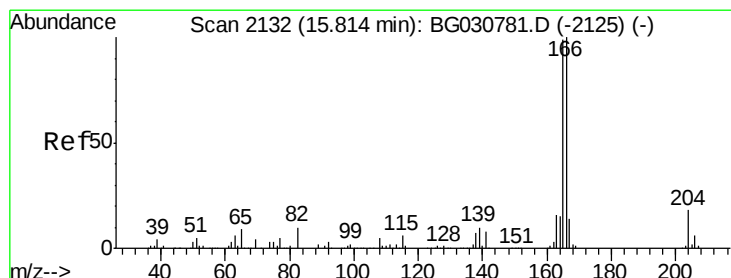
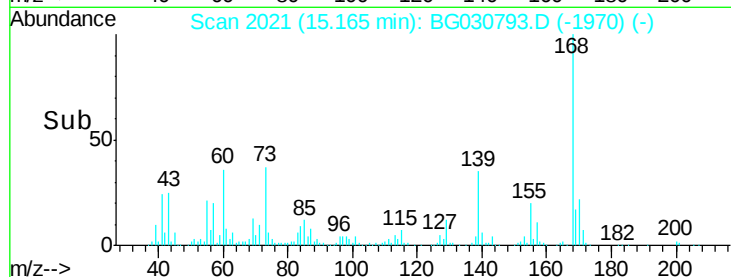
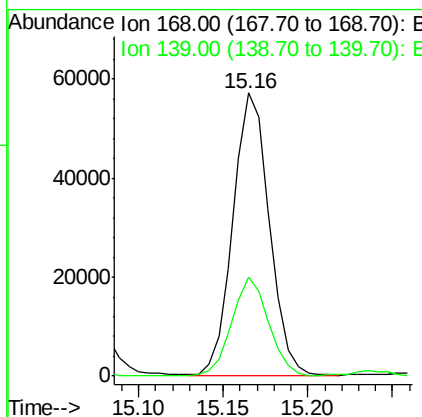
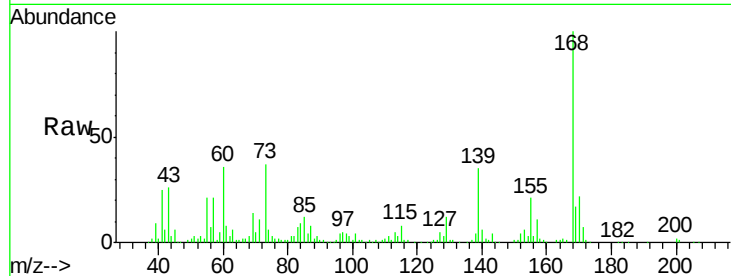
#53
Dibenzenofuran
Concen: 3.042 ng/ul
RT: 15.16 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BG030793.D
Acq: 7 Nov 2017 2:27

Instrument :
BNA_G
ClientSampleId :
B0EL4

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.0	31.4	47.2

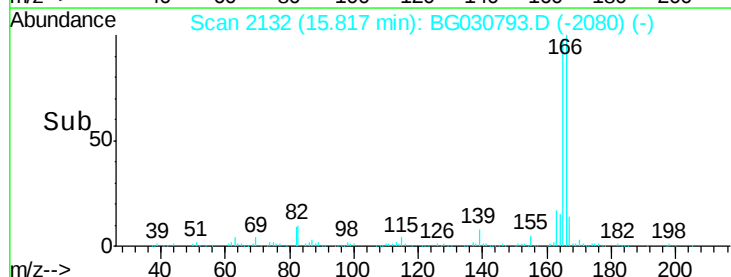
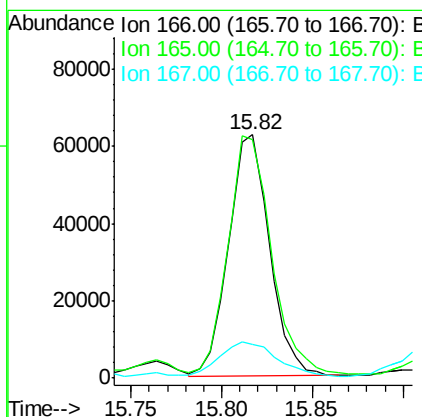
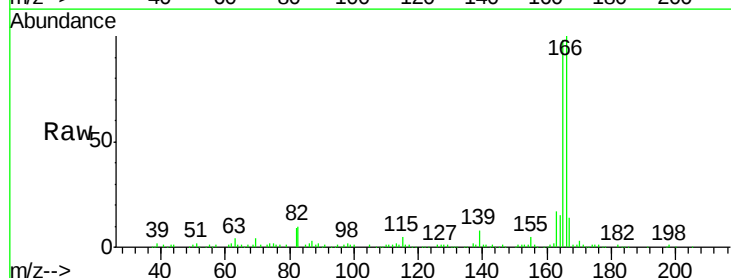
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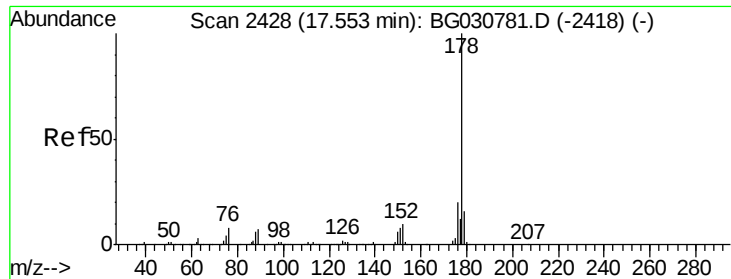
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#58
Fluorene
Concen: 4.346 ng/ul
RT: 15.82 min Scan# 2132
Delta R.T. 0.00 min
Lab File: BG030793.D
Acq: 7 Nov 2017 2:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.9	119.9
167	13.9	10.6	16.0





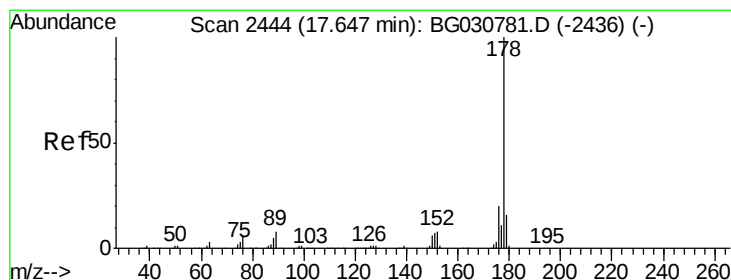
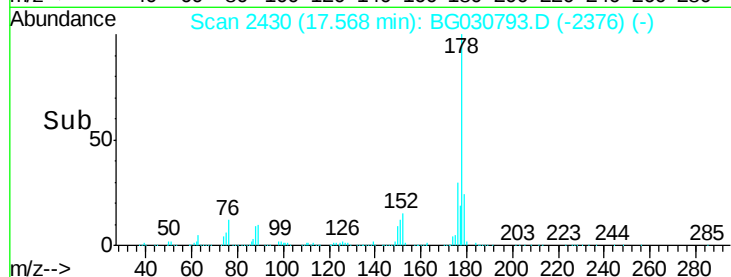
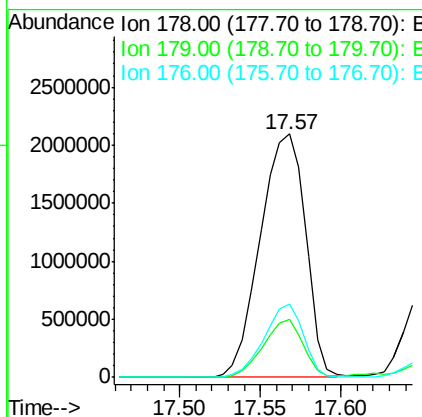
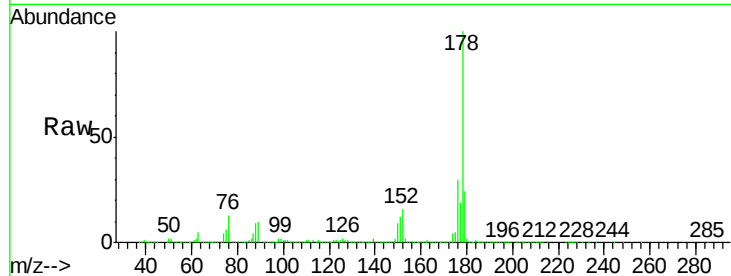
#69
Phenanthrene
Concen: 117.734 ng/ul m
RT: 17.57 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BG030793.D
Acq: 7 Nov 2017 2:27

Instrument :
BNA_G
ClientSampled :
B0EL4

Tgt Ion:178 Resp: 4089711
Ion Ratio Lower Upper
178 100
179 24.0 13.0 19.6#
176 30.2 15.3 22.9#

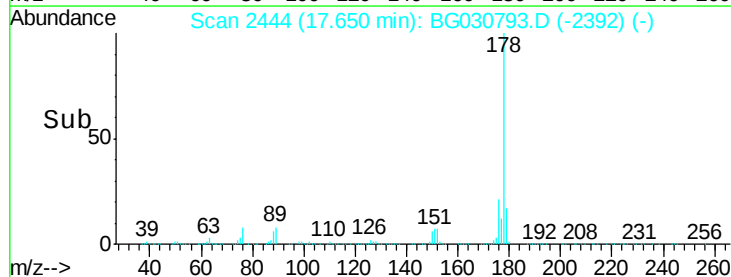
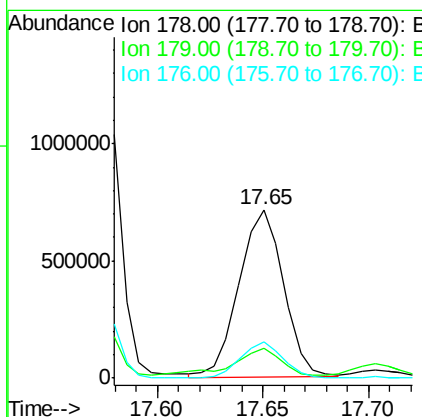
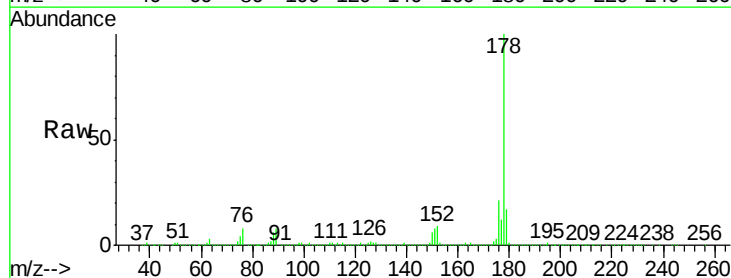
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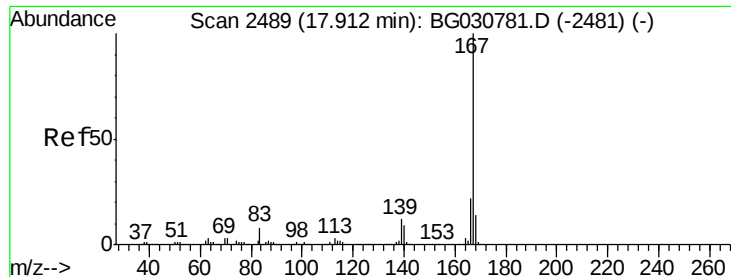
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#71
Anthracene
Concen: 29.161 ng/ul
RT: 17.65 min Scan# 2444
Delta R.T. 0.00 min
Lab File: BG030793.D
Acq: 7 Nov 2017 2:27

Tgt Ion:178 Resp: 1045140
Ion Ratio Lower Upper
178 100
179 17.4 13.2 19.8
176 21.4 16.0 24.0





#72

Carbazole

Concen: 7.295 ng/ul

RT: 17.91 min Scan# 2489

Delta R.T. 0.00 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

Instrument :

BNA_G

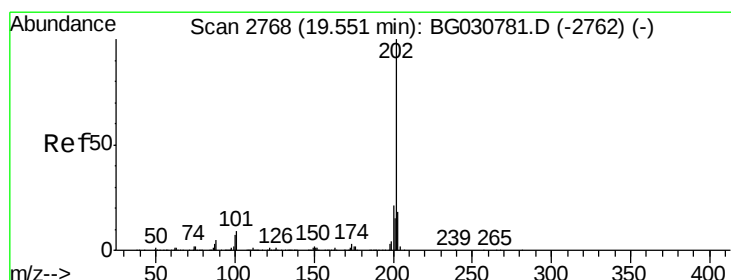
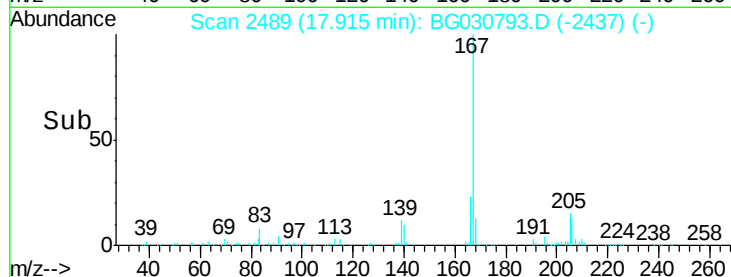
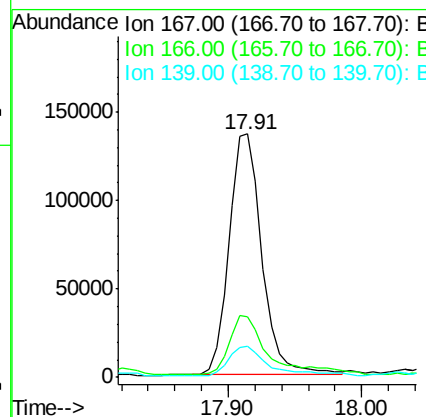
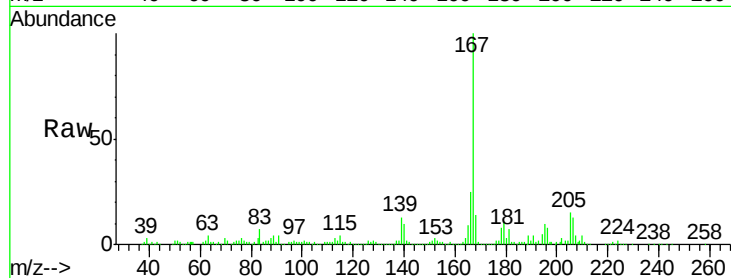
ClientSampled :

B0EL4

Tgt Ion:	167	Resp:	235020
Ion Ratio		Lower	Upper
167	100		
166	24.9	18.6	28.0
139	12.7	10.6	16.0

Manual Integrations
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#74

Fluoranthene

Concen: 257.808 ng/ul m

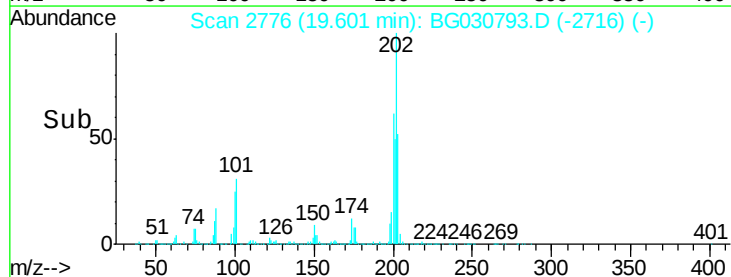
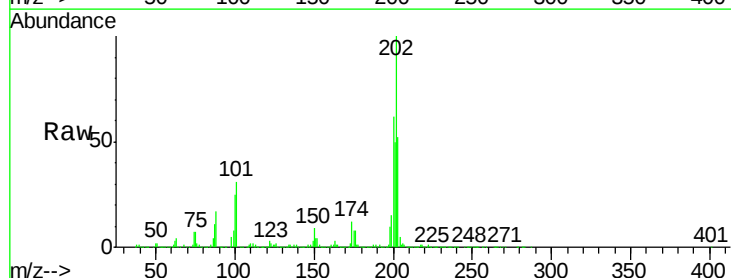
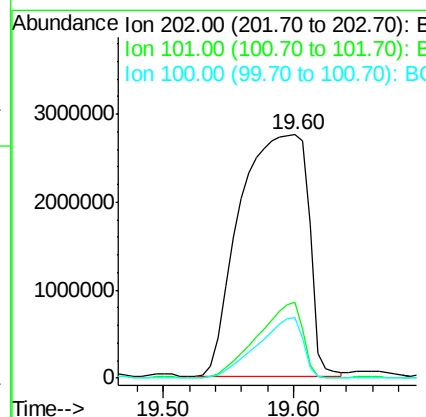
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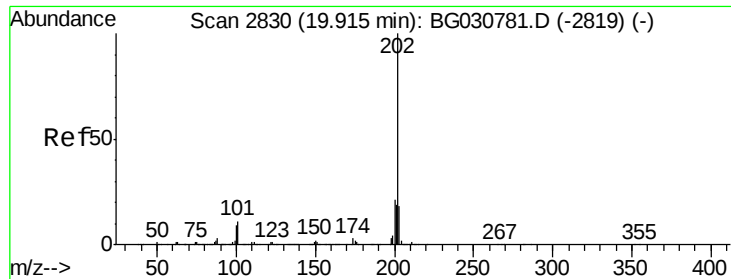
Delta R.T. 0.05 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

Tgt Ion:	202	Resp:	10008580
Ion Ratio		Lower	Upper
202	100		
101	31.1	7.4	11.2#
100	25.0	5.6	8.4#





#77

Pyrene

Concen: 222.799 ng/ul

RT: 19.97 min Scan# 2838

Delta R.T. 0.05 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

Instrument :

BNA_G

ClientSampleId :

B0EL4

Tgt Ion:202 Resp: 9729693

Ion Ratio Lower Upper

202 100

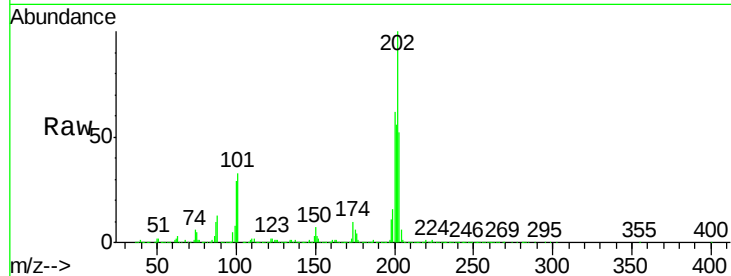
101 33.4 8.4 12.6#

100 28.9 7.0 10.6#

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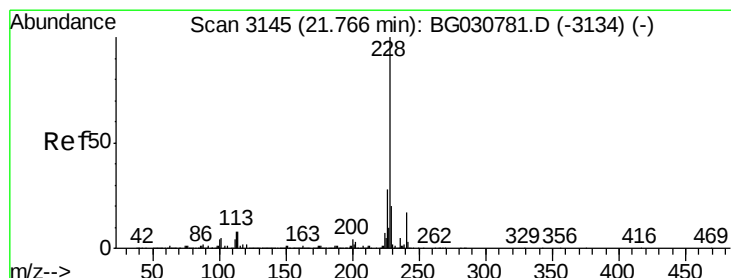
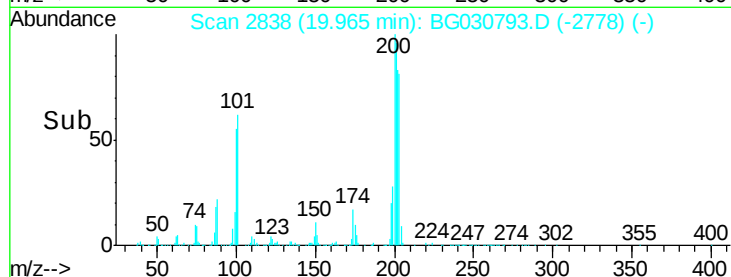
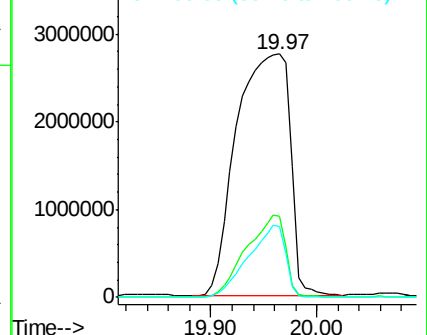
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 239.125 ng/ul

RT: 21.82 min Scan# 3153

Delta R.T. 0.05 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

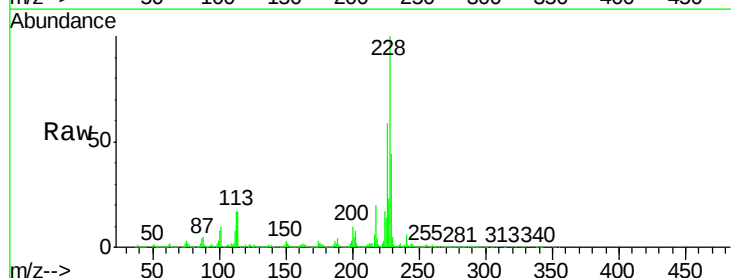
Tgt Ion:228 Resp: 9764738

Ion Ratio Lower Upper

228 100

229 44.3 16.2 24.4#

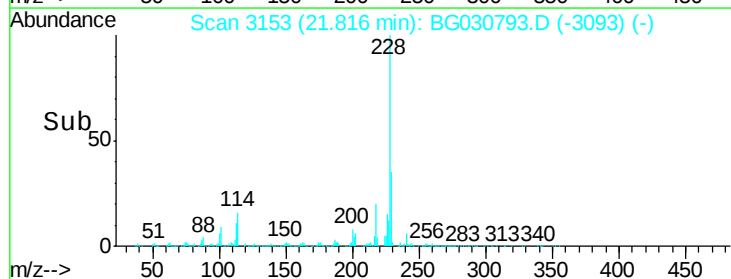
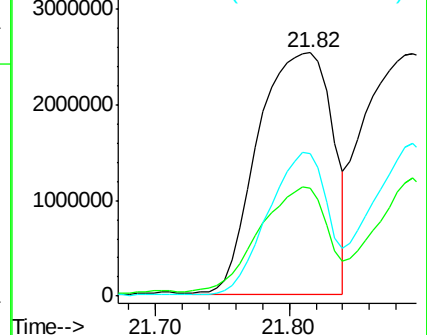
226 58.6 22.2 33.2#

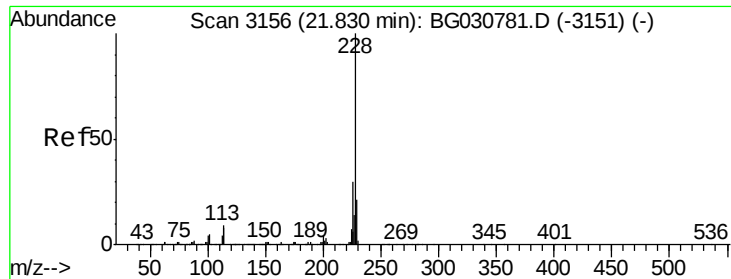


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 234.467 ng/ul

RT: 21.89 min Scan# 3166

Delta R.T. 0.06 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

Instrument :

BNA_G

ClientSampleId :

B0EL4

Tgt Ion:228 Resp: 8699504

Ion Ratio Lower Upper

228 100

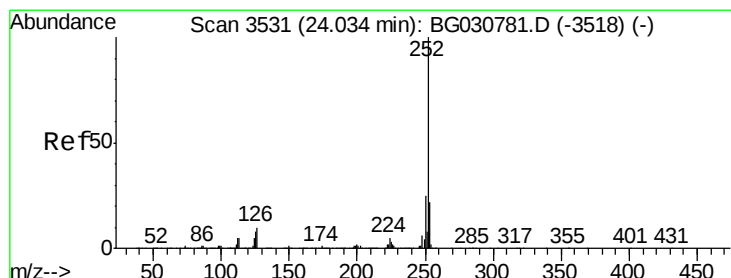
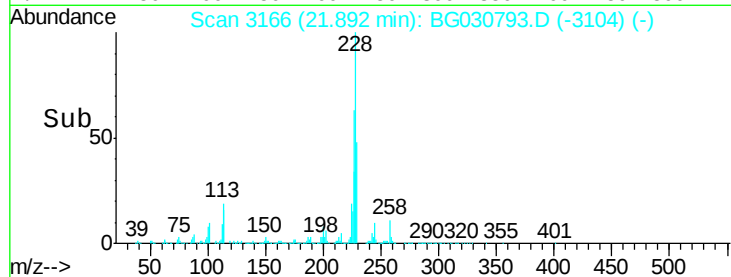
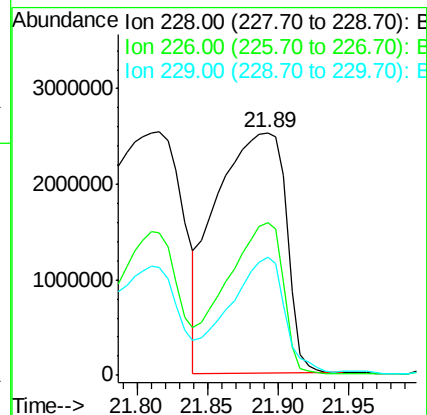
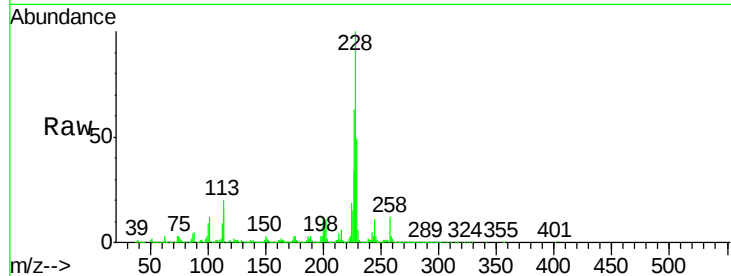
226 62.9 24.2 36.2#

229 48.9 15.2 22.8#

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#85

Benzo(b)fluoranthene

Concen: 356.524 ng/ul m

RT: 24.17 min Scan# 3554

Delta R.T. 0.14 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

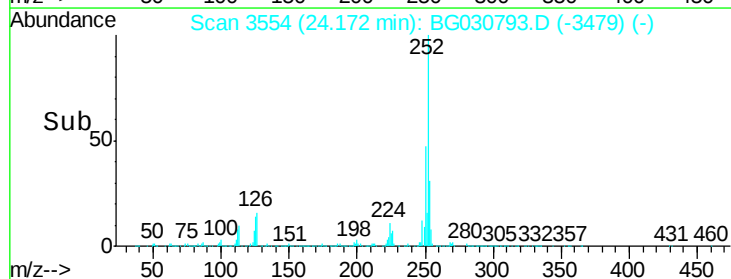
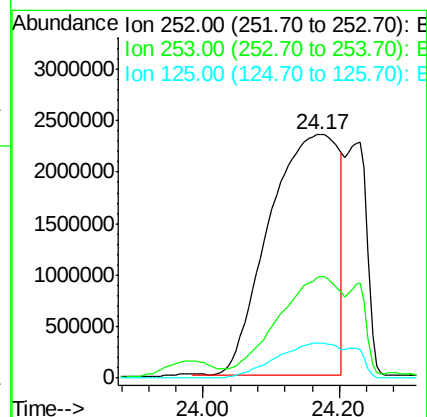
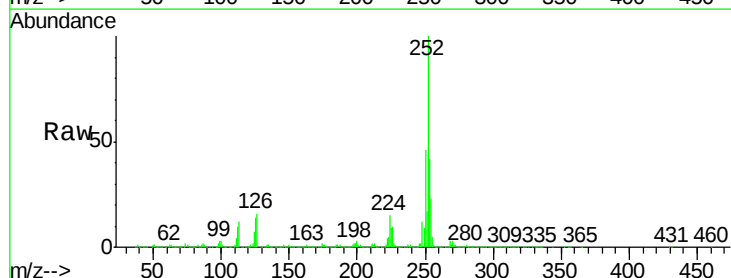
Tgt Ion:252 Resp:16381163

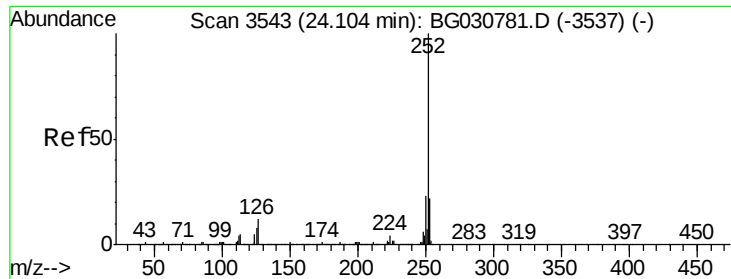
Ion Ratio Lower Upper

252 100

253 41.6 17.0 25.4#

125 14.5 7.5 11.3#





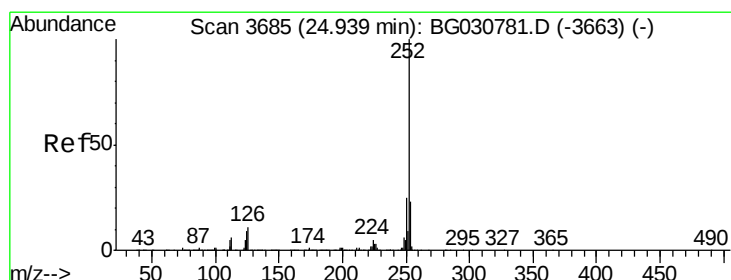
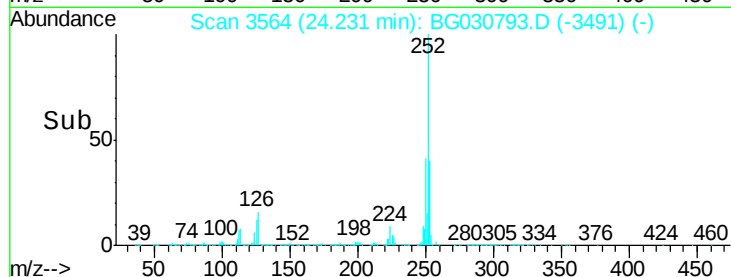
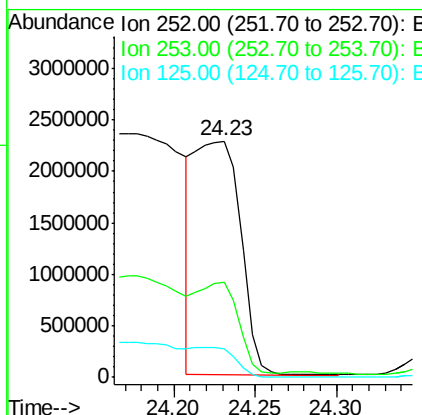
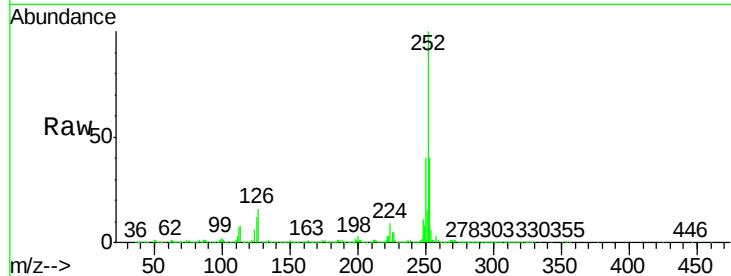
#86
Benzo(k)fluoranthene
Concen: 100.721 ng/ul m
RT: 24.23 min Scan# 3564
Delta R.T. 0.13 min
Lab File: BG030793.D
Acq: 7 Nov 2017 2:27

Instrument :
BNA_G
ClientSampleId :
B0EL4

Tgt Ion:252 Resp: 4474427
Ion Ratio Lower Upper
252 100
253 40.5 17.2 25.8#
125 11.9 7.8 11.8#

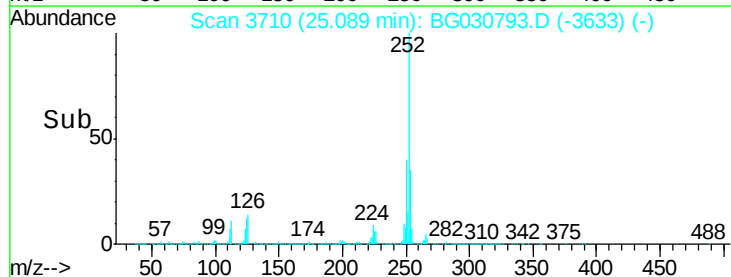
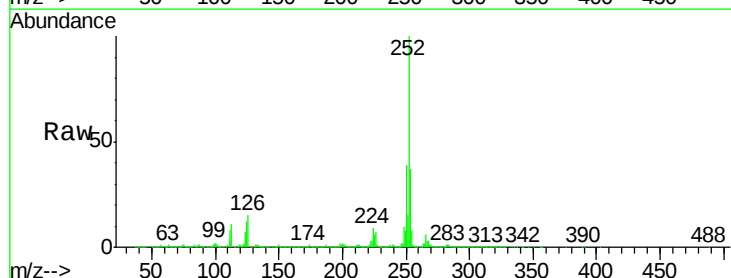
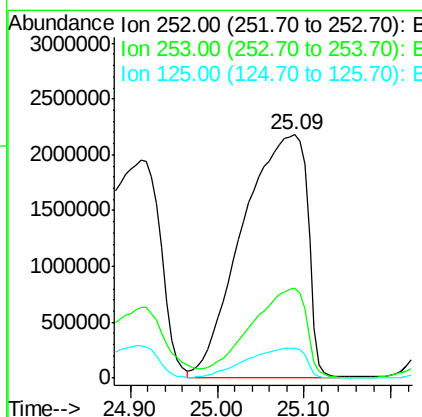
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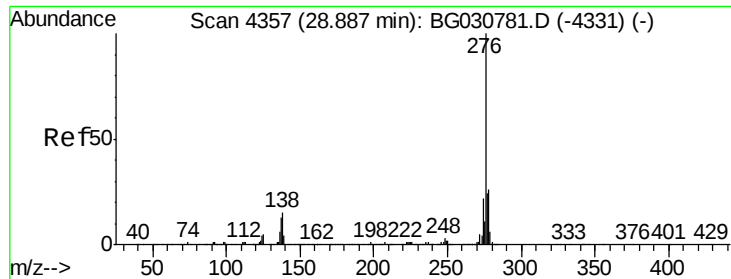
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#88
Benzo(a)pyrene
Concen: 254.058 ng/ul m
RT: 25.09 min Scan# 3710
Delta R.T. 0.15 min
Lab File: BG030793.D
Acq: 7 Nov 2017 2:27

Tgt Ion:252 Resp:11362688
Ion Ratio Lower Upper
252 100
253 36.7 17.1 25.7#
125 12.4 7.8 11.8#





#89

Indeno(1,2,3-cd)pyrene

Concen: 244.151 ng/ul m

RT: 29.16 min Scan# 4403

Delta R.T. 0.27 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

Instrument :

BNA_G

ClientSampleId :

B0EL4

Tgt Ion:276 Resp:12354163

Ion Ratio Lower Upper

276 100

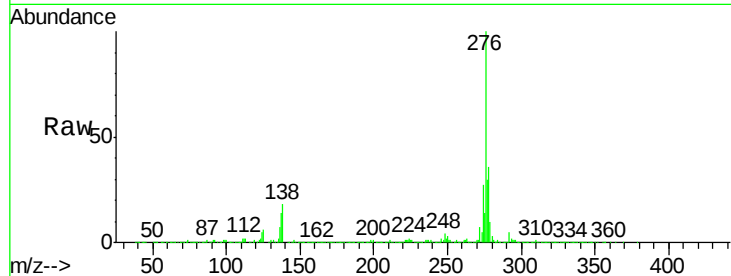
138 18.4 13.4 20.0

277 30.0 18.6 28.0#

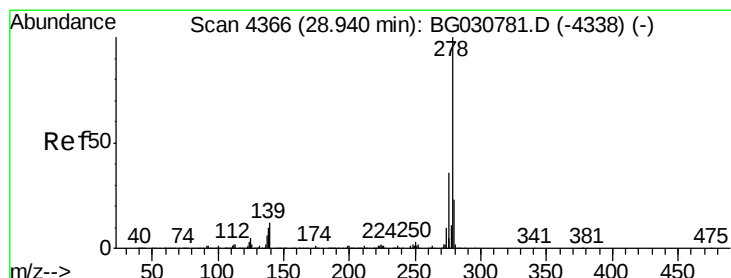
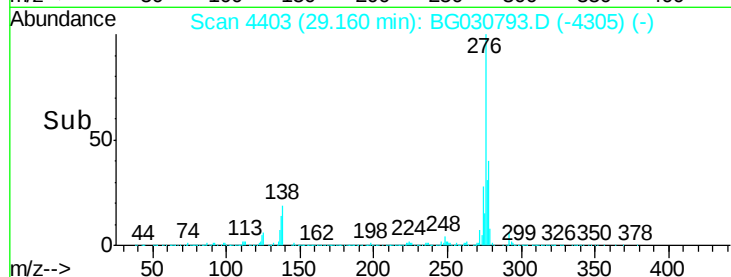
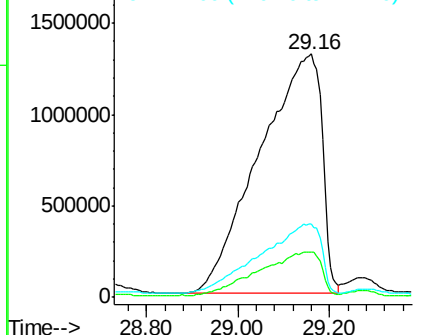
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 100.475 ng/ul m

RT: 29.17 min Scan# 4405

Delta R.T. 0.23 min

Lab File: BG030793.D

Acq: 7 Nov 2017 2:27

Tgt Ion:278 Resp: 4223487

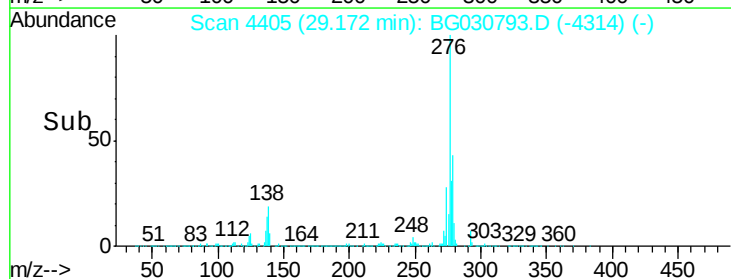
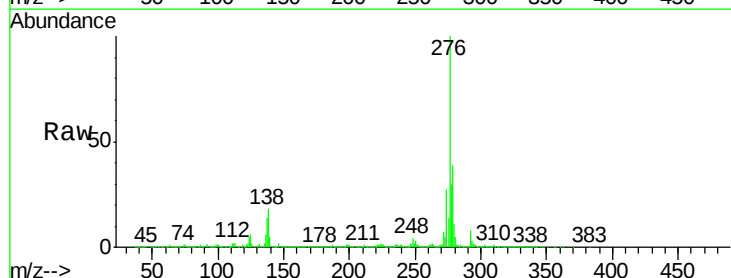
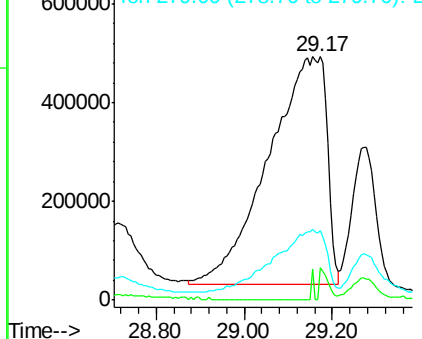
Ion Ratio Lower Upper

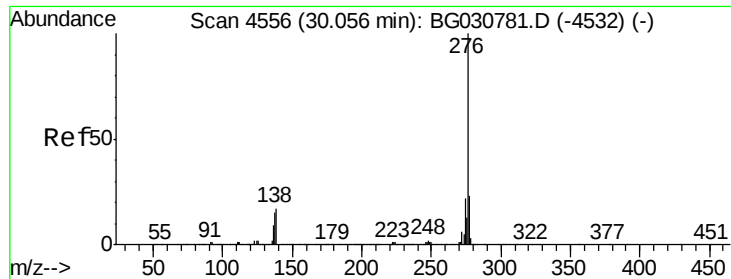
278 100

139 13.2 9.4 14.2

279 28.4 18.4 27.6#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 261.513 ng/ul m
 RT: 30.38 min Scan# 4610
 Delta R.T. 0.32 min
 Lab File: BG030793.D
 Acq: 7 Nov 2017 2:27

Instrument :
 BNA_G
 ClientSampled :
 B0EL4

Tgt Ion: 276 Resp: 10968801
 Ion Ratio Lower Upper
 276 100
 138 18.2 12.1 18.1#
 277 28.6 17.7 26.5#

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:38:03 PM

